

**New Hampshire Department of Transportation
Bureau of Materials & Research**

Qualified Products List (QPL) – Qualification Criteria

Section 401 – Plant Mix Pavements - General, NHDOT Specifications

QPL Category: 401.A. - Warm Mix Asphalt Technology

Technology Requirements

Technology Description

A Warm Mix Asphalt (WMA) Technology shall be a product or process that allows the producers of hot-mix asphalt pavement material to lower the temperature at which the material is mixed and placed, while maintaining similar strength, durability, and performance characteristics as hot mix asphalt (HMA).

Environmental Compliance

The WMA Technology product or process shall not be one that would potentially cause harm to humans or the environment and shall comply with all applicable New Hampshire Department of Environmental (NHDES) and United States Environmental Protection Agency (EPA) regulations.

Required Performance/Laboratory Testing

WMA Technology performance and testing requirements shall be as indicated in the current version of the “Northeast States WMA Qualification Process” published by the Northeast Asphalt User/Producer Group (NEAUPG). The NEAUPG process document can be found online [here](#).

Note: The NHDOT will not act as a sponsor state for WMA Technology qualification. Also, NHDOT reserves the right to refuse any WMA Technology it deems unsuitable for listing on the QPL for any reason.

NHDOT Approval Process/Required Submissions

Submissions to NHDOT will only be accepted for a WMA Technology currently included in the NEAUPG list of qualified WMA Technologies found online [here](#). The WMA Technology supplier/manufacturer shall forward the following documents to the Department’s Product Evaluation Unit (PEU) for its review in consideration of qualifying the WMA Technology for inclusion on the QPL:

Letter of Compliance

A Notarized letter on the WMA Technology supplier/manufacturer’s letterhead affirming the technology meets all Department requirements described herein.

Environmental Compliance

A Notarized letter on the WMA Technology supplier/manufacturer’s letterhead affirming the technology conforms to all applicable New Hampshire Department of Environmental (NHDES) and United States Environmental Protection Agency (EPA) regulations, including those for Volatile Organic Compound (VOC) limits.

Technology Literature

Current technology literature, including technical data sheets and Safety Data Sheets (SDS), relevant to the technology’s use, limitations, properties, storage, mixing, application/installation, and all precautions for the technology, as applicable.

Technology Performance Monitoring/Removal from QPL

WMA Technology field performance and technical data will be monitored by the Department. If either fails to meet the criteria noted herein, the technology will be immediately removed from the QPL without notice.

Changes to Name, Supplier/Manufacturer, or Formulation, of a Currently-Listed QPL WMA Technology

The PEU shall be contacted immediately when a change to any of the following is made to a technology/product currently listed in the QPL:

- Technology name
- Technology supplier/manufacturer
- Technology formulation

For a change in the technology name and/or technology supplier/manufacturer, the technology will remain in the QPL reflecting that change only upon receipt of verification from the current or new technology supplier/manufacturer attesting the technology is fundamentally unchanged. Verification shall consist of a letter signed by the technology supplier/manufacturer's representative.

For a change in technology formulation/process, the PEU will determine whether:

1. The formulation/process change could adversely affect the technology's required performance, whereupon, it will be subject to removal from the QPL; or,
2. The formulation/process change will not adversely affect the required performance of the technology for its intended use; whereupon, it will remain in the QPL.

If at any time it is determined that a technology name, technology supplier/manufacturer, or formulation/process has changed without the required notification to the PEU, the technology is subject to immediate removal from the QPL at the discretion of the PEU. The technology will not be re-listed in the QPL until the technology supplier/manufacturer provides complete, updated, information.

QPL Expiration Date/Technology Review Frequency

A qualified WMA Technology is listed until the expiration date noted in the QPL. A WMA Technology removed from the NEAUPG list is subject to immediate removal from the QPL prior to the expiration date. The WMA Technology qualification status will be reviewed by the Department a minimum of every 5 years.

Technology Marking and Labeling

As applicable, all labels shall be marked with the information as required by the applicable specification(s).

If a technology was converted and/or relabeled from its original manufacturer, the technology name on all labels and all accompanying literature shall be that of the convertor or private label company.

Limitations

The Department continues to evaluate its qualification criteria as well as products and technologies that have been qualified against them, and reserves the right to revise the criteria and/or withdraw product/technology qualification at any time for any reason without notice. Qualification of a product or technology does not constitute an endorsement of the product/technology, nor does it imply intent to purchase or specify the product/technology.

Qualification Criteria Approved by:

Denis M. Boisvert, Chief of Materials Technology, Bureau of Materials & Research, on December 11, 2018.

Charles R. Dusseault, Administrator, Bureau of Materials & Research, on December 11, 2018.